Carbohydrate Research 258 (1994) C9-C11

CONTENTS

trophoresis	
M. Stefansson and M. Novotny (Bloomington, IN, USA)	1
Interunit, through-space ${}^{1}H^{-19}F$ and ${}^{13}C^{-19}F$ spin-spin couplings of 5-fluorinated arbekacins T. Miyake and Y. Koyama (Kawasaki, Japan)	11
NMR assignments for the aldopentoses A.J. Benesi, C.J. Falzone, S. Banerjee and G.K. Farber (University Park, PA, USA)	27
Molecular and crystal structure of $(2,3,4,6$ -tetra- O -acetyl- β -D-glucopyranosyl)- $(1 \rightarrow 3)$ - $[2,3,4,6$ -tetra- O -acetyl- β -D-glucopyranosyl- $(1 \rightarrow 6)$]- $(2,4$ -di- O -acetyl- β -D-glucopyranosyl)- $(1 \rightarrow 3)$ - $1,2,4,6$ -tetra- O -acetyl- β -D-glucopyranose	
K. Noguchi, E. Kobayashi, K. Okuyama (Tokyo, Japan), S. Kitamura, K. Takeo (Kyoto, Japan) and S. Ohno (Kobe, Japan)	35
Synthesis, conformation, and glycosidic coupling reactions of highly active substituted 2,7-di-oxabicyclo[4.1.0]heptanes: 1,2-anhydro-3,4-di- <i>O</i> -benzyl-α-D-xylopyranose	
G. Yang, F. Kong (Beijing, China) and R.R. Fraser (Ottawa, ON, Canada)	49
Virtual ¹ H- ¹ H spin-spin coupling in a linear five-spin system on the pyranose rings of some glucuronides	
S. Saito, Y. Sasaki, T. Furumoto (Saitama, Japan), S. Sumita (Chiba, Japan) and T. Hinomoto (Tokyo, Japan)	59
An expedient route to acylated glucosyl halides with a free 2-OH group	
F.W. Lichtenthaler and B. Köhler (Darmstadt, Germany)	77
Synthesis of <i>myo</i> -inositol 1,4,6-trisphosphate, an analogue of <i>myo</i> -inositol 1,4,5-trisphosphate Y. Watanabe, T. Ogasawara, S. Ozaki (Matsuyama, Japan) and M. Hirata (Fukuoka, Japan) .	87
Synthetic studies on an oligosaccharide of a glycolipid from the spermatozoa of bivalves IX. Syntheses of lipids I, II, and IV	
N. Hada, T. Takeda and Y. Ogihara (Nagoya, Japan)	93
Convergent synthesis of an octasaccharide fragment of the O-specific polysaccharide of Shigella dysenteriae type 1	
V. Pozsgay and L. Pannell (Bethesda, MD, USA)	105
Synthesis of a water-soluble serine-based neoglycolipid which can be covalently linked to solid phases	
M. Elofsson, J. Broddefalk, T. Ekberg and J. Kihlberg (Lund, Sweden)	123

The synthesis and resolution of (\pm) -1,4-di- O -benzyl-2,3- O -isopropylidene- myo -inositol T. Desai, J. Gigg, R. Gigg, E. Martín-Zamora and N. Schnetz (London, United Kingdom)	135
Regioselective functionalizations and conformational studies of di-O-isopropylidene-myo-inositol derivatives	
SK. Chung and Y. Ryu (Pohang, South Korea)	145
Reaction of dichloroallose units in a chlorodeoxycellulose with lithium chloride under homogeneous conditions in N,N-dimethylacetamide	
Ki. Furuhata, N. Aoki, S. Suzuki, N. Arai, M. Sakamoto (Tokyo, Japan), Y. Saegusa and S. Nakamura (Yokohama, Japan)	169
A sensitive and specific enzyme immunoassay for cyclomaltoheptaose and some derivatives C. Créminon, F. Pilard, J. Grassi, B. Perly and P. Pradelles (Gif s/Yvette, France)	179
Isolation and characterization of alginate-derived oligosaccharides with root growth-promoting activities	
M. Natsume, Y. Kamo, M. Hirayama and T. Adachi (Saitama, Japan)	187
Structure of a surface polysaccharide from Acinetobacter baumannii strain 214 S.R. Haseley, L. Galbraith and S.G. Wilkinson (Hull, United Kingdom)	199
Substitution patterns in methylated starch as studied by enzymic degradation P.A.M. Steeneken and A.J.J. Woortman (Groningen, Netherlands)	207
The structure of the cyclic enterobacterial common antigen (ECA) from Yersinia pestis E.V. Vinogradov, Y.A. Knirel (Moscow, Russian Federation), J.E. Thomas-Oates (Utrecht, Netherlands), A.S. Shashkov and V.L. L'vov (Moscow, Russian Federation)	223
Structure of the capsular antigen of Escherichia coli O8: K50: H ⁻ M.R. Grue, H. Parolis and L.A.S. Parolis (Grahamstown, South Africa)	233
Structural features of water-soluble novel polysaccharide components from the leaves of <i>Tridax</i> procumbens Linn. T.S. Raju and E.A. Davidson (Washington, D.C., USA)	243
	243
Enzymic synthesis of α - and β -D-glucosides of 1-deoxynojirimycin and their glycosidase inhibitory activities	
N. Asano, K. Oseki, E. Kaneko and K. Matsui (Ishikawa, Japan)	255
Notes	
Structural analysis of methyl α -L-rhamnopyranoside in the solid state M.A. Shalaby, F.R. Fronczek and E.S. Younathan (Baton Rouge, LA, USA)	267
 Crystallographic data on bacterial (1 → 4)-β-D-glucuronan A. Heyraud, L. Dantas (Grenoble, France), J. Courtois, B. Courtois (Amiens, France), W. Helbert and H. Chanzy (Grenoble, France) 	275
Distribution of substituents in carboxymethyl ethers of cyclomaltoheptaose J. Reuben (Wilmington, DE, USA), C.T. Rao and J. Pitha (Baltimore, MD, USA)	281
New cyclic isourea derivatives of D-glucofuranosylamine P. Mészáros, I. Pintér, J. Kovács and G. Tóth (Budapest, Hungary)	287

Contents / Carbohydr. Res. 258 (1994) C9-C11	C11
Stereoselective synthesis of β -D-glycopyranosyl-L-serinate or -threoninate derivatives with an unusual migration	
L. Szabó and R. Polt (Tucson, AZ, USA)	293
The 1,4-linked disaccharide of hyaluronan: synthesis of methyl 2-acetamido-2-deoxy- β -D-glucopyranosyl- $(1 \rightarrow 4)$ - β -D-glucopyranosiduronic acid	
M.B. Carter, P.A. Petillo, L. Anderson and L.E. Lerner (Madison, WI, USA)	299
NMR spectral analysis of a water-insoluble $(1 \rightarrow 3)$ - β -D-glucan isolated from Saccharomyces cerevisiae	
H.E. Ensley, B. Tobias, H.A. Pretus, R.B. McNamee, E.L. Jones (New Orleans, LA, USA),	
I.W. Browder and D.L. Williams (Johnson City, TN, USA)	307
Preparation and chelating properties of derivatives of chitosan and 1,3-dicarbonyl compounds	
M. Gómez-Guillén, A. Gómez-Sánchez and ME. Martín-Zamora (Seville, Spain)	313
Book review	CI
Author index	C

C5

Subject index

